

**Presentations of the Mid-Continent Ecology Division
January through June 2008**

1. Ankley, G.T. 2004. When girls aren't girls: Identification of androgens as an important class of environmental endocrine disruptors. ***2004 Adelman Lecture Series, University of Minnesota, Minneapolis, MN, February 11, 2004.*** 4253
2. Backe, W.J., M.L. Haasch, D.E. Hammermeister, P.K. Schmieder, and R.D. Johnson. Chemical analysis and kinetic uptake of 4-n-pentylaniline in fish liver tissue. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008.*** 4959
3. Blake, L.S., S. Martinovic, J. Cavallin, E.J. Durhan, D.L. Villeneuve, and G.T. Ankley. Detecting mixtures of steroidal hormones released by concentrated animal feeding operations using cell based assays. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008.*** 4964
4. Cavallin, J.E., N. Muller, E.J. Durhan, K.M. Jensen, M.D.M.E.A. Kahl, D. Martinovic, D.L. Villeneuve, and G.T. Ankley. Effects of fadrozole, ketoconazole, and 17 β -trenbolone on ex vivo steroidogenesis in the fathead minnow. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008.*** 4932
5. Denny, J.S., D. Martinovic, C. Lavelle, M. Ogdahl, P.K. Schmieder, P. Sorenson, D. Swackhamer, and P. Novak. Trout estrogen receptor binding to estimate estrogenicity of municipal effluents. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008.*** 4945
6. Durhan, E.J., D. Martinovic, L.S. Blake, K.J. Greene, M.D. Kahl, K.M. Jensen, R.D. Johnson, E.A. Makynen, D.L. Villeneuve, and G.T. Ankley. Reproductive toxicity of vinclozolin and ketoconazole in fathead minnow: Adverse effects and compensatory responses. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008.*** 4953
7. Haasch, M.L., D.B. Lothenbach, K.M. Flynn, F.W. Whiteman, D.E. Hammermeister, J. Nagel, W.J. Backe, D. Shadwick, and R.D. Johnson. Sensitivity of adult reproduction and reproductive development in Japanese medaka exposed to 4-tert-octylphenol. ***Joint Meeting of the Midwest Chapter of the Society of***

Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008. 4947

8. Haselman, J.T., J.E. Tietge, M.W. Hornung, and S.J. Degitz. Development of a high-throughput method for quantitating thyroid gland follicular cell hyperplasia in amphibian model species *Xenopus laevis*. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008. 4937***
9. Hill, B.H., T.R. Angradi, D.W. Bolgrien, T.M. Jicha, M.F. Moffett, M.S. Pearson, E.D. Reavie, and D.L. Taylor. Ecological conditions in the Missouri, Mississippi, and Ohio Rivers: From microbes to fish. ***Western Division, American Fisheries Society Meeting, Portland, OR, May 4-9, 2008. 4946***
10. Hill, B.H., T.M. Jicha, A.T. Herlihy, D.W. Bolgrien, and S.G. Paulsen. The use of survey data to estimate nutrient export in the Mississippi River basin. ***56th Annual Meeting of the North American Benthological Society, Salt Lake City, UT, May 25-30, 2008. 4930***
11. Hockett, J.R., R.J. Erickson, D.J. Hoff, S. Iheasirim, C.T. Jenson, and D.R. Mount. The effect of dietary and waterborne arsenic on swim-up rainbow trout. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008. 4954***
12. Hoffman, J.C. Fish larvae as indicators of cross-ecosystem subsidies in Great Lakes coastal embayments. ***Saint Louis River Area of Concern Stakeholder Coordination Meeting, Minnesota Pollution Control Agency, Duluth MN, March 27, 2008. 4981***
13. Jensen, K.M., L.S. Blake, J.D. Brodin, E.J. Durhan, M.W. Hornung, M.D. Kahl, J.J. Korte, E.A. Makynen, D. Martinović, D.L. Villeneuve, and G.T. Ankley. Completion of a short-term reproduction test for identifying endocrine-disrupting chemicals. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008. 4951***
14. Jenson, C.T., R.J. Erickson, T.L. Highland, J.R. Hockett, D.J. Hoff, and D.R. Mount. Comparison of arsenic concentrations in carcass and viscera of swim-up rainbow trout exposed to dietary and waterborne arsenic. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008. 4961***

15. Jicha, T.M., L. Johnson, and B.H. Hill. Spatial and temporal patterns of nitrification rates in forested floodplain wetland soils of Upper Mississippi River Pool 8. ***Floodplain Ecosystems Symposium, Little Rock, AR, March 4-6, 2008***. 4873
16. Kelly, J.R. Early detection monitoring for invasive species in vulnerable Great Lakes harbor/embayments. ***Saint Louis River Area of Concern Stakeholder Coordination Meeting, Minnesota Pollution Control Agency, Duluth, MN, March 27, 2008***. 4974
17. Kelly, J.R. Finding signals of the landscape in coastal ecosystems. ***Research Needs Workshop on Loading from Landscapes and Coastal Margin Effects: Developing a Framework to Evaluate Consequences of Land Management Strategies, Council of Great Lakes Research Managers, International Joint Commission, University of Toledo, March 17-19, 2008***. 4973
18. Kinziger, B.P., L.P. Burkhard, C.L. Russom, and D.J. Hoff. PCBRes and BSAF data sets: Overview and search options. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008***. 4950
19. Kreis, R.G., K.R. Rygwelski, X. Zhang, J.J. Pauer, R. Rossmann, T. Fiest, P.J. Horvatin, D.A. Griesmer, W. Melendez, and X. Xia. Linking watershed atrazine and PCB loads to Lake Michigan. ***Land-Lake Loadings to the Nearshore Workshop, Lake Erie Center, Oregon, OH, March 17-19, 2008***. 4971
20. Kuehl, D.W., R. Haebler, C. Potter, G. Lahvis, M. Donahue, and R. Regal. PFOS and PFOSA in bottlenose dolphins: An investigation into two unusually high mortality epizootics. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008***. 4941
21. Maciewski, R., D.W. Kuehl, D.E. Hammermeister, W.J. Backe, J.S. Denny, M.A. Tapper, B.R. Sheedy, M. Mereness, M. Dybvig, and P.K. Schmieder. Synthesis and evaluation of estrogenic potential of an acetylated metabolite of p-n-pentylaniline. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008***. 4972
22. Martinovic, D., M.D. Kahl, L.S. Blake, J. Brodin, D.L. Villeneuve, and G.T. Ankley. Hypoxia alters gene expression in the gonads of zebrafish. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008***. 4944

23. Martyniuk, C.J., S. Alvarez, S. McClung, D.L. Villeneuve, G.T. Ankley, and N.D. Denslow. Quantitative proteomic profiles for androgen signaling in the liver of fathead minnows. ***Sixth International Symposium on Fish Endocrinology, Calgary, AB, Canada, June 22-26, 2008.*** 4957
24. Martyniuk, C.J., D.L. Villeneuve, G.T. Ankley, and N.D. Denslow. Proteomic and gene expression changes in the fathead minnow liver in response to flutamide and trenbolone waterborne exposure. ***Society of Toxicology Annual Meeting, Seattle, WA, March 16-20, 2008.*** 4900
25. Miller, D.H., R.G. Kreis, X. Xia, and W.-C. Huang. Quantitative evaluation of a multi-trophic level ecosystem model for investigating population dynamics of the invasive species *Bythotrephes*. ***American Society for Limnology and Oceanography Ocean Sciences Meeting, Orlando, FL, March 2-7, 2008.*** 4897
26. Morrice, J.A. Nonpoint water quality effects on coastal wetlands. ***Research Needs Workshop on Loading from Landscapes and Coastal Margin Effects: Developing a Framework to Evaluate Consequences of Land Management Strategies, Council of Great Lakes Research Managers, International Joint Commission, University of Toledo, March 17-19, 2008.*** 4983
27. Mount, D.R., L.J. Heinis, T.L. Highland, J.R. Hockett, D.J. Hoff, C.T. Jenson, and T.J. Norberg-King. The significance of non-aqueous phases in assessing the toxicity of contaminated sediments. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008.*** 4965
28. Nawrocki, T., M.A. Starry, M.F. Moffett, and D.W. Bolgrien. Landscape metrics arranged by hydrological proximity to sites on the Mississippi, Missouri, and Ohio Rivers. ***American Water Resources Association Spring Specialty Conference, San Mateo, CA, March 17-19, 2008.*** 4933
29. Norberg-King, T.J. Toxicity testing methods used in regulatory programs: Applications and use in assessing environmental impact. ***International Workshop on the Application of the Fish Embryo Test as an Animal Alternative Method in Hazard and Risk Assessment and Scientific Research, Aulnay-sous-Bois, France, March 4-6, 2008.*** 4948
30. Pearson, M.P., T.R. Angradi, and D.W. Bolgrien. Update of the EMAP-GRE assessment draft Great River fish index (GRFI) . ***Joint Meeting of the Upper and Lower Mississippi River Conservation Committees, Collinsville, IL, March 11-12, 2008.*** 4977
31. Pomplun, A. and C.L. Russom. Overview and search options for the ECOTOX knowledgebase. ***Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the***

Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008. 4949

32. Rossmann, R. The use of dated sediment cores to describe the history of contaminant loads to systems: A case study of mercury loads to Lake Michigan. *American Society for Limnology and Oceanography Ocean Sciences Meeting, Orlando, FL, March 2-7, 2008.* 4898
33. Skolness, S.Y., J.E. Cavallin, N. Mueller, D. Martinovic, D.L. Villeneuve, and G.T. Ankley. Acute effects of prochloraz on fathead minnows (*Pimephales promelas*). *Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008.* 4963
34. Taylor, D.L., M.S. Pearson, T.R. Angradi, D.W. Bolgrien, B.H. Hill, T.M. Jicha, and M.F. Moffett. Home on the Big River, Part II: Great River habitat quality indices. *56th Annual Meeting of the North American Benthological Society, Salt Lake City, UT, May 25-30, 2008.* 4929
35. Villeneuve, D.L., R. Wang, D. Bencic, A. Biales, D.D. Martinovic, J. Lazorchak, G. Toth, and G.T. Ankley. Gene expression in the brain and ovaries of zebrafish exposed to an aromatase inhibitor. *Joint Meeting of the Midwest Chapter of the Society of Environmental Toxicology and Chemistry, and the Northland Chapter of the Society of Toxicology, USEPA Mid-Continent Ecology Division, Duluth, MN, March 31 - April 2, 2008.* 4952
36. Vinas, N.G.R., X. Guan, D.L. Villeneuve, D. Martinovic, S.M. Brasfield, L.S. Blake, J.D. Brodin, J. Shoemaker, N.D. Denslow, G.T. Ankley, F.J. Doyle III, and E.J. Perkins. The effects of endocrine disruptors on steroidogenesis gene expression dynamics in fathead minnow. *SETAC Europe, 18th Annual Meeting, Warsaw, Poland, May 25-29, 2008.* 4917
37. West, C.W., J.R. Kelly, J.C. Hoffman, A.S. Trebitz, G.S. Peterson, and I. Grigorovich. Comparison of four sampling gears to collect invasive benthic invertebrates in the St. Louis Harbor, Duluth, MN. *56th Annual North American Benthological Society Meeting, Salt Lake City, UT, May 25-30, 2008.* 4923
38. Yule, D.L., O.T. Gorman, J.V. Adams, D. Bunnell, M.P. Ebener, T.R. Hrabik, and J. Kelly. Development of a new lake-wide multiple gear survey to assess status and trends of the Lake Superior fish community and lower trophic levels. *51st International Association for Great Lakes Research Conference, Peterborough, ON, Canada, May 19-23, 2008.* 4927
39. Yurista, P.M., J.R. Kelly, and S.E. Miller. Lake Superior zooplankton biomass predictions from LOPC tow surveys compare well with a probability based net survey. *51st International Association for Great Lakes Research Conference, Peterborough, ON, May 19-23, 2008.* 4924